

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

Mikron Industries Inc., d/b/a Mikron Midwest
Attn: Rodger Ingham - General Manager
501 North Elida Street
Winnebago, Illinois 61088

<u>Application No.:</u> 03030093	<u>I.D. No.:</u> 201050AAL
<u>Applicant's Designation:</u>	<u>Date Received:</u> March 28, 2003
<u>Subject:</u> Vinyl Window and Door Frame Extrusion Operation	
<u>Date Issued:</u> TO BE DETERMINED	<u>Expiration Date:</u> 5 YEARS
<u>Location:</u> 501 North Elida Street, Winnebago	

This permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of a vinyl window and door frame extrusion operation and ancillary operations, pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued:
 - i. To limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 10 tons/yr for a single HAP and 25 tons/yr for combined HAPs). As a result the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
 - ii. To limit the potential emissions of VOM from the source to less than 25 tons/year. As a result, the source is exempt from the limitations in 35 IAC Part 215, Subpart F: Coating Operations. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
 - b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
 - c. This permit supersedes all operating permits issued for this location.
2. The laminator and extruder cleaning operation are subject to 35 IAC 215.301, which provides that no person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any emission source, except as provided the following exception: If no odor nuisance exists the limitation of this Subpart shall apply only to photochemically reactive material.

- 3a. Operation of the laminator shall not exceed the following limits:

<u>Material</u>	<u>Material Usage</u>		<u>VOM Content</u> (Weight %)
	(Gal/Mo)	(Gal/Yr)	
Methylene Chloride	217	1,730	0
Primer	110	875	100
Adhesives	745	5,960	80

- b. Emissions from the laminator shall not exceed the following limits:

<u>Material</u>	<u>Pollutant</u>	<u>Emissions</u>	
		(Ton/Mo)	(Ton/Yr)
Methylene Chloride	HAP	1.2	9.5
Primer	VOM	0.4	3.1
Adhesives	VOM/HAP	---	0.1

- c. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

- 4a. Operation and emission associated with the cleaning of the extruders shall not exceed the following limits:

<u>Material</u>	<u>Material Usage</u>		<u>VOM Content</u>	<u>VOM Emissions</u>	
	(Gal/Mo)	(Gal/Yr)	(Lb VOM/Gal)	(Tons/Mo)	(Tons/Yr)
Cleaning Solvent	342	2,735	6.58	1.2	9.0

- b. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).

- 5a. Emissions of particulate matter (PM) from the recycle system grinder/pulverizer controlled by cyclones and baghouse shall not exceed 0.2 tons/month and 1.2 tons/year.

- b. The Permittee shall monitor and record the pressure drop of the baghouse on a weekly basis.

6. This permit is issued based upon negligible emissions of PM from the following equipment:

PVC Transfer from Trucks to Silos (2 units)
PVC Transfer from Silos to Mixing Station (2 units)
PVC Transfer from Mixing Station to Day Bin (2 units)
PVC Transfer from Day Bin to Extruders (24 units)

For this purpose, emissions from each emission unit shall not exceed nominal emission rates of 0.05 lb/hour and 0.22 tons/year.

7. The emissions of Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a CAAPP permit from Illinois EPA. As a result of this condition, this permit is issued based on the emissions

of any HAP from this source not triggering the requirement to obtain a CAAPP permit from Illinois EPA.

- 8a. Pursuant to 40 CFR 63.10(b)(3), if an owner or operator determines that his or her stationary source that emits (or has the potential to emit, without considering controls) one or more hazardous air pollutants regulated by any standard established pursuant to section 112(d) or (f) of the Clean Air Act, and that stationary source is in the source category regulated by the relevant standard, but that source is not subject to the relevant standard (or other requirement established under 40 CFR Part 63) because of limitations on the source's potential to emit or an exclusion, the owner or operator must keep a record of the applicability determination on site at the source for a period of 5 years after the determination, or until the source changes its operations to become an affected source, whichever comes first. The record of the applicability determination must be signed by the person making the determination and include an analysis (or other information) that demonstrates why the owner or operator believes the source is unaffected (e.g., because the source is an area source). The analysis (or other information) must be sufficiently detailed to allow the USEPA and/or Illinois EPA to make a finding about the source's applicability status with regard to the relevant standard or other requirement. If relevant, the analysis must be performed in accordance with requirements established in relevant subparts of 40 CFR Part 63 for this purpose for particular categories of stationary sources. If relevant, the analysis should be performed in accordance with USEPA guidance materials published to assist sources in making applicability determinations under Section 112 of the Clean Air Act, if any. The requirements to determine applicability of a standard under 40 CFR 63.1(b)(3) and to record the results of that determination under 40 CFR 63.10(b)(3) shall not by themselves create an obligation for the owner or operator to obtain a Title V permit.
- b. The Permittee shall keep records of the following items:
- i. Usage of each material associated with the laminator operation (gallons/month and gallons/yr).
 - ii. Usage of each material associated with the cleaning of the extruders (gallons/month and gallons/yr).
 - iii. VOM and HAP content of each material used.
 - iv. VOM and HAP emissions from the laminator and extruder, with supporting calculations and documentation.
- c. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least five years from the date of entry and shall be made available for inspection and copying by Illinois EPA and USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Agency request for records during the course of a source inspection.
9. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to Illinois EPA's Compliance Unit in Springfield, Illinois within 30 days after the exceedance. The report shall include

the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.

10. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
5415 North University
Peoria, Illinois 61614

It should be noted that the following equipment is exempt from state permit requirements:

<u>Item of Equipment</u>	<u>Exemption</u>
Cut-off Saws	35 IAC 201.146(aa)
Extruders	35 IAC 201.146(cc)
Cold Cleaning Degreasers	35 IAC 201.146(v)
Heaters	35 IAC 201.146(d)

If you have any questions on this, please call Jason Schnepf at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:JMS

cc: Illinois EPA, FOS Region 2
LOTUS NOTES

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the vinyl window and door frame extrusion operation operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. The resulting maximum emissions are well below the levels, e.g., 10 tons per year of a single HAP, and 25 tons per year of combined HAPs at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled and control measures are more effective than required in this permit.

<u>Emission Unit</u>	Emissions (Tons/Year)					Single	Total
	<u>NO_x</u>	<u>CO</u>	<u>VOM</u>	<u>PM</u>	<u>SO₂</u>	<u>HAP</u>	<u>HAP</u>
Laminator	-	-	3.2	-	-	9.5	9.6
Extruder Cleaning	-	-	9.0	-	-	-	-
Fuel Comb. Equipment	3.0	2.5	0.2	0.3	0.1	-	-
Grinder/Pulverizer	-	-	-	1.2	-	-	-
PVC Transfer	-	-	-	6.6	-	-	-
Totals:	3.0	2.5	12.4	8.1	0.1	< 10	< 25

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